

## Gallon Man

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**Revision Date of Lesson Plan:** April 19, 2011

**Overall Goal for the Lesson:** Be able to state how many cups are in a pint, quart and gallon. How many pints are in a quart and a gallon, and how many quarts are in a gallon.

**Description of classroom, grade level, and students:**

This assignment is meant for an elementary school special education resource room. Grade levels may vary from third to fifth grade. The students in the resource room have mild to moderate disabilities.

**Student Objectives for the lesson. (Given a condition, the students will, to what level).**

Given a list of the measurements, students will be able to list the correct unit of measurement and conversions 75% of the time. (For example, the student will know that 2 cups = 1 pint, 2 pints = 1 quart, and 4 quarts = 1 gallon.

**Length of Lesson: (minutes, number of class periods, or days or weeks needed).**

One class period, hour long duration.

**Schedule of Activities: (Break down your activity into a timeline of events. Focus on what students will be doing and what teachers will be doing during each part of the activity.)**

- a. Watch this video from youtube about measuring liquids  
<http://www.youtube.com/watch?v=Md1heEQbfrQ>
- b. So today we will be talking about liquid measurements – how many of you have helped your mom or dad cook in the kitchen? Did you use measuring cups to make the food?
- c. Divide the class in to three groups. Give one group the 16 cups, one group the 8 pint containers, and one group the 4 quart containers. Give each group a gallon container full of water and have them fill up their containers with the water from the gallon container. Talk about observations they may be making.
- d. Go around to each group and make sure they are following the activity and making connections. Use leading/open questions
- e. So now we are going to do our Gallon Man activity so we can further our understanding of liquid measurements/conversions. Have students come up as a group and create the gallon man on the Kidspiration activity.
- f. We talked about using different ways to measure objects and today we talked about measuring liquid.

**PASS Content Standards Addressed (Copy and Paste from:**  
**<http://sde.state.ok.us/Curriculum/PASS/default.html>)**

**PASS - Standard 4: Measurement - The student will use appropriate units of measure in a variety of situations.**

**PASS Instructional Technology Standards (Copy and Paste from:**  
**<http://sde.state.ok.us/Curriculum/PASS/default.html>)**

**Standard 5: The student will demonstrate knowledge of technology research tools.**

2. Use technology resources (e.g., calculators, data collection probes, videos, educational software) for problem solving, self-directed learning, and extended learning activities.

**Assessments: How will these activities be assessed? (Go back to your objectives, what will the students do? Make sure that each objective is paired to an assessment measure that allows students to show it).**

The student will be able to create the gallon man by correctly putting together his parts by pints, cups, quarts and a gallon with 75% accuracy.

**Accommodations: How might the lesson need to be adapted for students with special needs?**

- a. Environmental – widened aisles, preferential seating, raised work surface table
- b. Presentation– write down, read and demonstrate directions to the class. Show a finished model of Gallon Man.
- c. Materials – Have gallon man pieces pre-cut and help with gluing/taping as needed if the student cannot use the technology to create the gallon man
- d. Guided practice – help get started on gallon man activity/extended time to finish, groups work together to complete the task of creating the gallon man on Kidspiration.

**Materials Needed: Go through each activity and identify what items (both technology and not) are needed to complete this lesson. Include a breakdown according to individual student or student groups. Include materials that need to be created as well.**

1. 3 one-gallon containers
2. 4 one-quart containers
3. 8 one-pint containers
4. 16 one-cup containers
5. Gallon Man activity visual to put on wall
6. Scissors, glue/tape and construction paper
7. Kidspiration technology software